Table S4. Additional predictive performance contributions of early warning scores to a baseline risk model with gender, age and Charlson Comorbidity Index for all-cause in-hospital mortality and all-cause mortality within 7 days of admission in patients with suspected sepsis

	AUROC (95%CI)	Discrimination improvement			Calibration	Overall performance	
		IDI Baseline + EWS vs. Baseline (95%CI)	Change in sensitivity (%)	Change in specificity (%)	Hosmer- Lemeshow test	Scaled Brier score (%)	Nagelkerke's R square (%)
		In-	hospital mortal	ity			
Baseline model	0.576	-	-	-	0.211	1.3	1.3
	(0.547, 0.608)						
Baseline + SIRS	0.584	0.003	0.795	- 0.327	0.185	1.6	1.6
	(0.553, 0.614)	(0.000, 0.011)					
Baseline + qSOFA	0.609	0.020	4.95	- 2.04	0.150	3.3	3.2
	(0.577, 0.639)	(0.009, 0.038)					
Baseline + NEWS	0.626	0.029	7.04	- 2.89	0.143	4.2	4.0
	(0.596, 0.657)	(0.014, 0.048)					
Baseline + REMS	0.643	0.040	9.98	- 4.10	0.318	5.4	5.2
	(0.613, 0.673)	(0.024, 0.062)					
		Mortality v	within 7 days of	admission			
Baseline model	0.612	-	-	-	0.128	2.2	2.2
	(0.577, 0.647)						
Baseline + SIRS	0.621	0.006	2.71	- 0.641	0.421	2.8	2.7
	(0.586, 0.656)	(0.001, 0.016)					
Baseline + qSOFA	0.647	0.018	7.64	- 1.80	0.276	3.9	3.8
	(0.610, 0.682)	(0.006, 0.035)					
Baseline + NEWS	0.670	0.032	14.0	- 3.31	0.340	5.1	5.0
	(0.577, 0.647)	(0.017, 0.054)					
Baseline + REMS	0.688	0.042	18.3	- 4.32	0.075	6.2	6.1
	(0.655, 0.721)	(0.025, 0.068)					

Notes: change in sensitivity was calculated as (average \widehat{Pr} events baseline + EWS model – average \widehat{Pr} events baseline model) ÷ average \widehat{Pr} eventsbaseline model. Change in specificity was calculated as (average \widehat{Pr} nonevents baseline + EWS model – average \widehat{Pr} nonevents baseline model. Abbreviations= AUROC, area under the receiver operator characteristic curve; CI, confidence interval; IDI, integrated discrimination index; EWS, early warning score; SIRS, systemic inflammatory response syndrome; qSOFA, quick Sequential Organ Failure Assessment; NEWS, National Early Warning Score; REMS, Rapid Emergency Medicine Score.